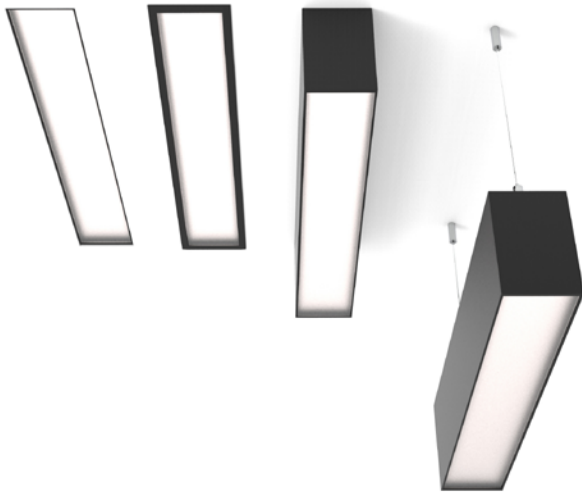


BILLET

INDOOR LINEAR LENSES - INTEGRAL

bold
lighting



The Billet family of products allows you to achieve uniformity throughout indoor and outdoor spaces while maintaining the same optical performance, light consistency, and overall aesthetics.

The Billet linear lenses deliver bold vertical and horizontal illumination perfect for ambient lighting and washing. Like all Bold products, the Billet confidently delivers a flawless light distribution and a beautifully finished product.

CONSTRUCTION

Product Type : Linear
Body Material : Extruded Aluminum
Body Finish : Black / Grey / White / Custom RAL
IP Rating : IP44

INSTALLATION

Environment : Dry / Damp Location
Mounting : Ceiling Recessed (Trim & Trimless) / Wall Recessed (Trim & Trimless) / Millwork / Surface Mounted / Pendant
Dimensions : Refer to dimension table

OPTICS

Optical Distribution : Elliptical (20°x40°) / Asymmetric / Lambertian

LIGHT SOURCE

Direct Light Source : Mid-Power LEDs
Luminous Output : from 690lm/ft. to 2650lm/ft. (Delivered)
Light Source CCT : 2700K / 3000K / 3500K / 4000K / Tunable White (2700K-5000K)³ / Dim-to-Warm (3000K-1800K)³ / RGBW
Color Rendering Index : Ra80 / Ra90

ELECTRICAL

Input Voltage : UNV 120-277V - 50Hz/60Hz
Load : 4W/ft. to 19W/ft.
Output Type : Constant Current
Driver Type : Integral
Dimming : 0-10V / DALI / ELV / DMX / Lutron Hi-Lume

Series	Mounting	Nominal Length	
BIO	R Recessed with Trim	12 12"	
	T Recessed Trimless	18 18"	
	S Surface Mounted	24 24"	
	P Pendant	30 30"	
	M Millwork	36 36"	
	W Wall Mounted	42 42"	
			48 48"
			54 54"
			60 60"
			XX Custom in
		LX Elbow	

For exact lengths refer to dimensions table.

Code example: **BIO** - P12W-L1B-O-E827-0

Body Finish	Output ¹	Voltage	Dimming	Diffuser	Beam Angle	CRI	Color Temp	Emergency
W White	L 690lm/ft (4W)	1 120V	A No Dimming	O Opal	L Opal	8 +80	27 2700K	0 no
B Black	M 1140lm/ft (9W)	U ² Universal 120V to 277V	B 0-10V to 1%		A Asymmetric	9 +90	30 3000K	9 90 mins
G Grey	H 1810lm/ft (15W)		C 0-10V to Fade-off		E Elliptical		35 3500K	
X Custom RAL	V 2650lm/ft (19W)		D DALI to 1%				40 4000K	
			E ELV Dimming				WD ⁴ 3000K-1800K	
			F DMX				TW ⁵ 2700K - 5000K	
			G ³ LUTRON				CC RGBW	

Notes:

- ¹ Denotes output at 3000K, unless otherwise noted.
- ² Not applicable for ELV dimming.
- ³ Hi-Lume 1% EcoSystem Soft-on, Fade-to-Black dimming.
- ⁴ Denotes output specific to Dim-to-Warm at 3000K.
- ⁵ Denotes output specific to Tunable White at full on.

Consult factory for lead-times.
 Consult factory for systems using multiple optics and mounting configurations.



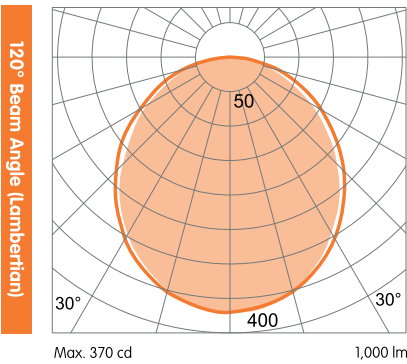
Bold Lighting
 4710 Ecton Dr. Unit F & G, Marietta, GA 30066, USA
 info@boldlighting.us www.boldlighting.us
 t: +1-678-903-4061

OPTICAL FLEXIBILITY

LAMBERTIAN DISTRIBUTION



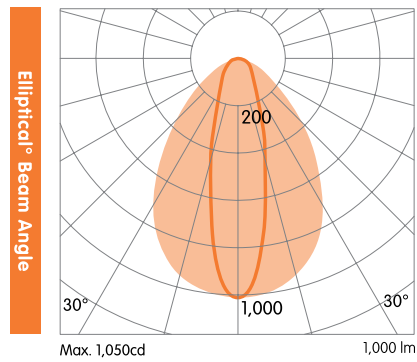
Lambertian distributions are optimal for general lighting, providing a soft and uniform illumination on both horizontal and vertical surfaces. Billet's opal lens is ideal for commercial, retail, institutional, and any other environment where comfortable and even illumination is needed.



ELLIPTICAL DISTRIBUTION



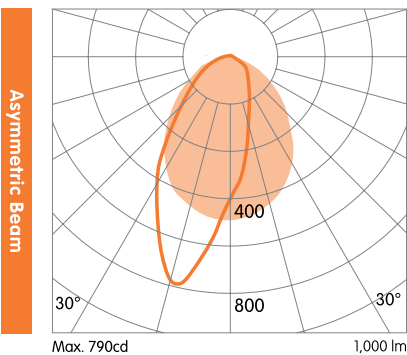
Elliptical distributions can be used anywhere focused illumination is needed. Billet's elliptical beam is ideal for applications such as grazing texture on vertical surfaces and illuminating long narrow spaces without scallops.



ASYMMETRIC DISTRIBUTION

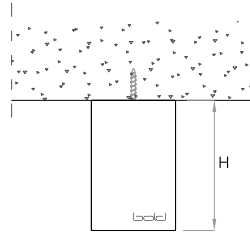
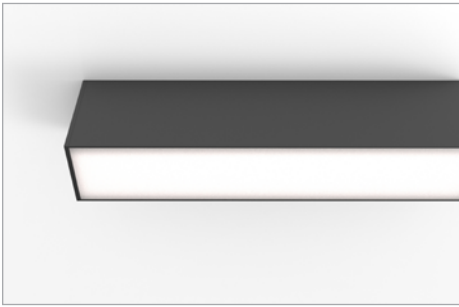


Asymmetric distributions are optimal for evenly wallwashing vertical surfaces, as well as providing asymmetric illumination on horizontal surfaces. Billet's asymmetric lens provides a high uniformity and performance for all applications.



MOUNTING FLEXIBILITY

SURFACE MOUNTED

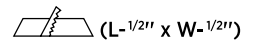
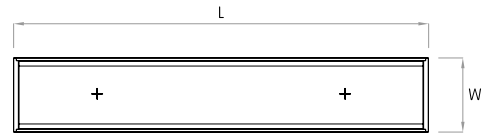


Actual

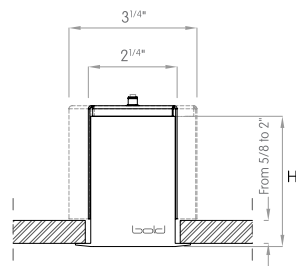
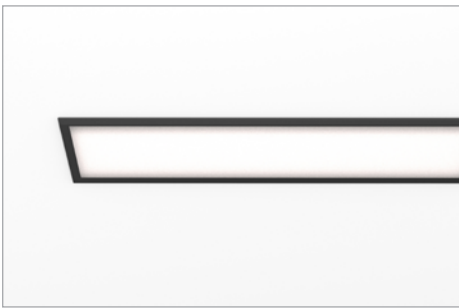
L= 12^{1/8"} | 23^{15/16"} | 35^{3/4"} | 47^{9/16"} | 59^{3/8"} | Continuous runs

W= 2^{3/16"}

H= 3^{3/8"}



RECESSED WITH TRIM

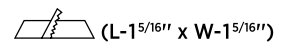
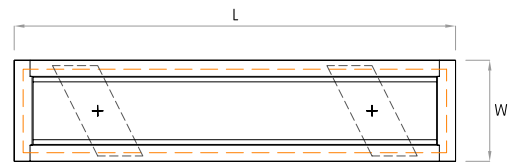


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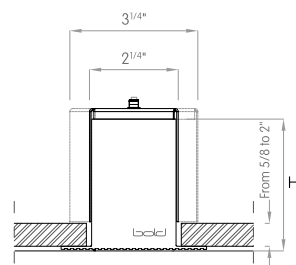
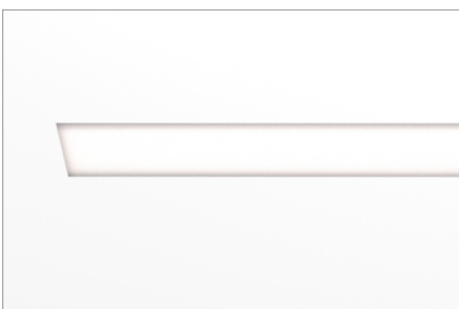
L= 12^{15/16"} | 24^{3/4"} | 36^{1/2"} | 48^{3/8"} | 60^{3/16"} | Continuous runs

W= 3"

H= 3^{3/8"}



RECESSED TRIMLESS

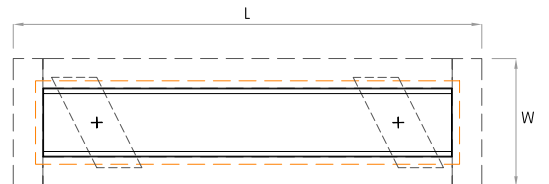


Actual

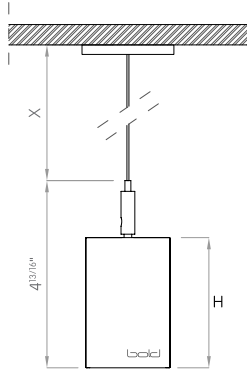
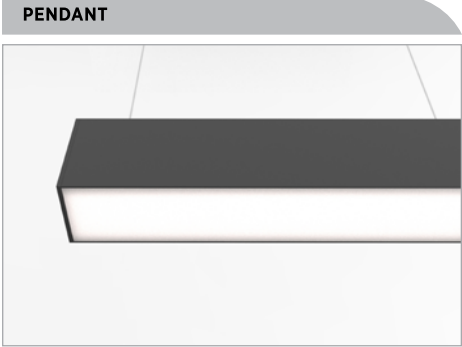
L= 13^{11/16"} | 25^{1/2"} | 37^{5/16"} | 49^{1/8"} | 60^{15/16"} | Continuous runs

W= 3^{3/4"}

H= 3^{3/8"}



MOUNTING FLEXIBILITY



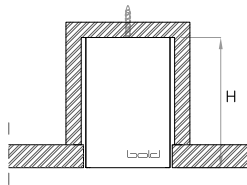
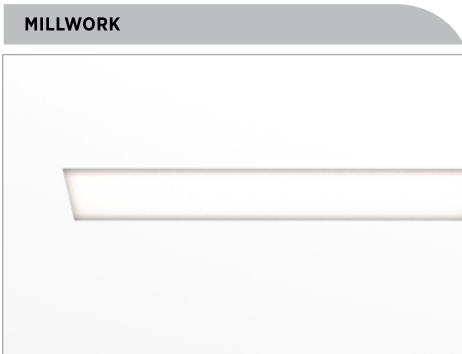
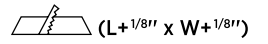
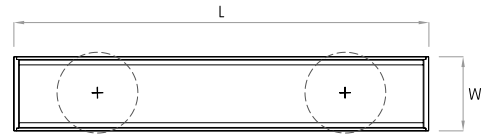
Actual

L= 12¹/₈" | 23¹⁵/₁₆" | 35³/₄" | 47⁹/₁₆" | 59³/₈" | Continuous runs

W= 2³/₁₆"

H= 3³/₈"

X= 59" or 118"

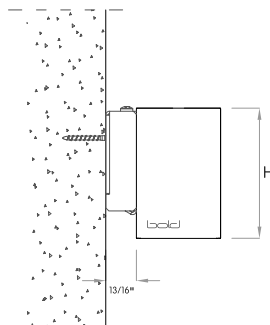
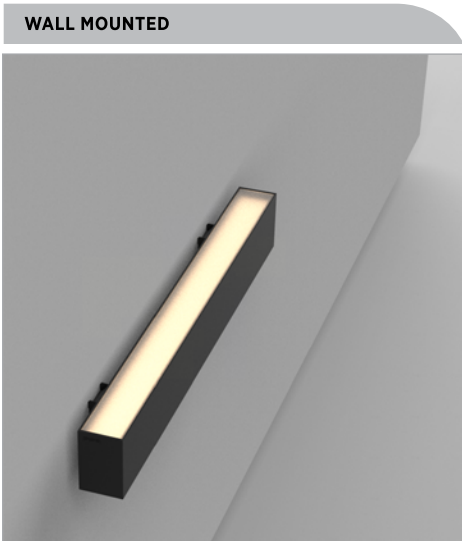
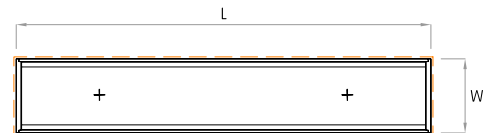


Actual

L= 12¹/₈" | 23¹⁵/₁₆" | 35³/₄" | 47⁹/₁₆" | 59³/₈" | Continuous runs

W= 2³/₁₆"

H= 3³/₈"

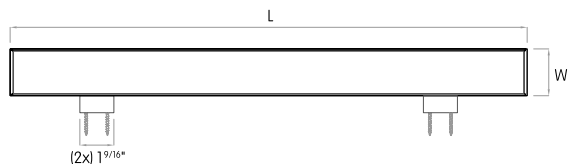


Actual

L= 12¹/₈" | 23¹⁵/₁₆" | 35³/₄" | 47⁹/₁₆" | 59³/₈" | Continuous runs

W= 2³/₁₆"

H= 3³/₈"



DELIVERED LUMEN OUTPUT

Output		CRI +80			CRI +90			
STATIC-WHITE		2700K	3000K	4000K	2700K	3000K	4000K	
L	4W	460lm	690lm	490lm	380lm	390lm	410lm	
M	9W	1030lm	1140lm	1110lm	850lm	760lm	920lm	
H	15W	1660lm	1810lm	1790lm	1380lm	1240lm	1500lm	
V	19W	2040lm	2650lm		1700lm	1520lm		
DIM-TO-WARM 3000K-1800K					3000K			
L	12W				990lm			
V	22W				1820lm			
TUNABLE WHITE 2700K-5000K								
L	12W		1130lm			990lm		
V	22W		2150lm			1820lm		
RGBW					R	G	B	W
TOTAL	47.5W				(9W) 143lm	(13.5W) 429lm	(13W) 136.5lm	(12W) 383.5lm

DIMENSIONS TABLE

		12"		24"		36"		48"		60"					
		Height		Width		Actual Length		Actual Length		Actual Length					
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch				
Surface Mounted		85	3 3/8	55	2 3/16	308	12 1/8	608	23 15/16	908	35 3/4	1208	47 9/16	1508	59 3/8
Recessed with Trim		85	3 3/8	75	3	328	12 15/16	628	24 3/4	928	36 1/2	1228	48 3/8	1528	60 3/16
Recessed Trimless		85	3 3/8	95	3 3/4	348	13 11/16	648	25 1/2	948	37 5/16	1248	49 1/8	1548	60 15/16
Pendant		85	3 3/8	55	2 3/16	308	12 1/8	608	23 15/16	908	35 3/4	1208	47 9/16	1508	59 3/8
Millwork		85	3 3/8	55	2 3/16	308	12 1/8	608	23 15/16	908	35 3/4	1208	47 9/16	1508	59 3/8
Wall Mounted		85	3 3/8	55	2 3/16	308	12 1/8	608	23 15/16	908	35 3/4	1208	47 9/16	1508	59 3/8

